

All Agency Project Request

2013 - 2015 Biennium

<u>Agency</u>	<u>Institution</u>	<u>Building No.</u>	<u>Building Name</u>
University of Wisconsin	Eau Claire	285-0C-9924	Utility - Site Steam & Condensate
<u>Project No.</u>	14I2Y	<u>Project Title</u>	McPhee Phys Ed Steam/Cond Repl

Project Intent

This project replaces ~50 LF of pre-insulated piping system steam and condensate service with a new waterproofed concrete box conduit system from Steam Pit 3E to the McPhee Physical Education facility.

Project Description

Project work includes removing ~50 LF of steam and condensate piping and constructing a new underground concrete box conduit with 4-inch steam and 2-inch condensate piping, complete with piping insulation and supports. The new steam and condensate service will be connected to piping located in Steam Pit 3E and the McPhee Physical Education facility with isolation valves, steam traps, and drains installed at both locations as necessary. Steam Pit 3E will be retrofitted with a new pit ladder with extendable safety posts and a new sump pump receiver set with power and alarm wiring to collect and discharge drip condensate within the building (Room 1). The pit walls will be waterproofed at the new concrete box conduit junction. Project work also includes site restoration of pavements, concrete curb and gutter, landscaping, and turf disturbed by project work.

Project Justification

A recent routine inspection by campus Physical Plant staff discovered that the condensate line where it penetrates the building wall was leaking. Upon closer inspection it was discovered that the original 1967 lines had significant deterioration. Condensate is being dumped temporarily, but temporary measures will be taken to reclaim condensate a permanent replacement can be completed.

A/E Consultant Requirements

☒ A/E Selection Required?

Consultants should have specific expertise and experience in the design and coordination of site mechanical utility system distribution installation, replacement, and renovation as part of a design team. Work includes site surveys, acquiring field data, and verifying as-built conditions to assure accurate development of design and bidding documents, and production of necessary design and bidding documents. Consultants should indicate specific projects from past experience (including size, cost, and completion date) in their letter of interest and when known, include proposed consulting partners and specialty consultants.

Commissioning

☒ Level 1
☐ Level 2

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<u>Project Budget</u>			<u>Funding Source(s)</u>	<u>Total</u>
Construction Cost:		\$283,000	GFSB - Utilities Repair & Renovation [Z080]	\$212,900
Haz Mats:		\$15,000	PRSB - Utilities Repair & Renovation [T570]	\$167,300
Construction Total:		\$298,000	Agency/Institution Cash [AGF0]	\$0
Contingency:	15%	\$44,700	Gifts	\$0
A/E Design Fees:	8%	\$23,800	Grants	\$0
DFD Mgmt Fees:	4%	\$13,700	Building Trust Funds [BTF]	\$0
Other:		\$0	Other Funding Source	\$0
		\$380,200		\$380,200

Project Schedule

SBC Approval: 01/2015
 A/E Selection: 02/2015
 Bid Opening: 02/2016
 Construction Start: 05/2016
 Substantial Completion: 09/2016
 Project Close Out: 12/2016

Project Contact

Contact Name: Terry L. Classen, P.E.
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 Telephone: (715) 836-5278 x

Project Scope Consideration Checklist

Y N

- Will the building or area impacted by the project be occupied during construction? If yes, explain how the occupants will be accommodated during construction. ☒ ☐
All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.
- Is the project an extension of another authorized project? If so, provide the project #... ☐ ☒
- Are hazardous materials involved? If yes, what materials are involved and how will they be handled? ☒ ☐
Required hazardous materials abatement has been included in the estimated project schedule and project budget. Comprehensive building survey inventory data is not available on Wisconsin's Asbestos & Lead Management System (WALMS) <<http://walms.doa.state.wi.us/>>.
- Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent? ☒ ☐
All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.
- Will the project impact the heating plant, primary electrical system, or utility capacities supplying the building? If yes, to what extent? ☒ ☐
All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.
- Are other projects or work occurring within this project's work area? If yes, provide the project # and/or description of the other work in the project scope. ☐ ☒
- Have you identified the WEPA designation of the project...Type I, Type II, or Type III? ☒ ☐

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Type III.

8. Is the facility listed on a historic register (federal or state), or is the facility listed by the Wisconsin Historical Society as a building of potential historic significance? If yes, describe here. ☐ ☒
9. Are there any other issues affecting the cost or status of this project? ☐ ☒
10. Will the construction work be limited to a particular season or window of opportunity? If yes, explain the limitations and provide proposed solution. ☒ ☐
Project work is seasonal. Preferred project work schedule should be limited to late spring, summer, and/or early fall months if possible.
11. Will the project improve, decrease, or increase the function and costs of facilities operational and maintenance budget and the work load? If yes, to what extent? ☒ ☐
Completion of this project will decrease operational maintenance costs.
12. Are there known code or health and safety concerns? If yes, identify and indicate if the correction or compliance measure was included in the budget estimate, or indicate plans for correcting the issue(s). ☐ ☒
13. Are there potential energy or water usages reduction grants, rebates, or incentives for which the project may qualify (i.e. Focus on Energy <<http://www.focusonenergy.com>> or the local utility provider)? If yes, describe here. ☐ ☒
14. If this is an energy project, indicate and describe the simple payback on state funding sources in years and the expected energy reduction here. ☐ ☒